

Title (en)  
LIQUID CRYSTAL CELL

Title (de)  
FLÜSSIGKRISTALLZELLE

Title (fr)  
CELLULE À CRISTAUX LIQUIDES

Publication  
**EP 3731009 B1 20221130 (EN)**

Application  
**EP 18893089 A 20181220**

Priority  
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• KR 2018016315 W 20181220

Abstract (en)  
[origin: EP3731009A1] A liquid crystal cell and a manufacturing method thereof and a use thereof are provided in the present disclosure. The liquid crystal cell is in a normally transparent mode, and has excellent transmittance-variable characteristics in a transparent mode and a scattering mode and excellent haze characteristics in the scattering mode. Such liquid crystal cell may be applied to various light modulation devices, such as a smart window, a window protective film, a flexible display element, a light shielding plate for transparent displays, an active retarder for 3D image displays or a viewing angle control film.

IPC 8 full level  
**C09K 19/02** (2006.01); **G02F 1/137** (2006.01)

CPC (source: EP KR US)  
**C09K 19/02** (2013.01 - EP KR); **G02F 1/1337** (2013.01 - US); **G02F 1/137** (2013.01 - KR); **G02F 1/13712** (2021.01 - KR); **G02F 1/13725** (2013.01 - EP); **G02F 1/1375** (2013.01 - EP US); **G02F 1/133742** (2021.01 - EP US); **G02F 1/13712** (2021.01 - EP US); **G02F 2202/06** (2013.01 - EP)

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